Release A CDR RID Report

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Originator Meyer, Ted

Organization NASA GSFC Code 505

E Mail Address ted@ulabsgi.gsfc.nasa.gov

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Section NA   **Page** NA   **Figure Table** NA

Category Name Management   **Actionee** ECS

Sub Category

Subject HDF-EOS

Description of Problem or Suggestion:

A plan for the development, support, distribution, and maintenance of HDF EOS standards and access software is not documented. Resources, development schedules, and responsibilities related to this development should be identified and documented. The development of HDF EOS access software is critical to various aspects of Release A. Schedules for development of the specification, access software, and training in its use need to be provided to developers whose products will be integrated into the Release A system.

Release A and IR1 are expected to support delivery and integration of AM and TRMM beta, Version 1, and Version 2 (final version) science software. Release A is also expected to support the Version 0 migration activity. Instrument product developers and engineers associated with the V0 migration require specifications and tools on a known schedule so that they can adequately plan to meet delivery dates.

Many data services on products (e.g., metadata ingest and access in Release A, subsetting in Release B) are dependent on products being integrated into the Release A system with the appropriate HDF EOS data standards. It is not clear that the ECS Team is planning the necessary level of support and activities to ensure that the product developers, users, and users support organizations will be prepared to deal with HDF EOS.

Representatives of the ECS Team have stated the intent to support workshops to provide direction and support for analysis and visualization tools vendors and to provide DAACs, User Support Groups, and Instrument Teams product developers with the information and direction required to support the HDF EOS specification.

Originator's Recommendation

Document and provide plans, including schedules, resources, and responsibilities, for the development, support, distribution, and maintenance of HDF EOS standards and access software. Define the level of user, maintenance, and developer support that are to be provided and methodologies for providing this support.

GSFC Response by: **GSFC Response Date**

HAIS Response by: A. Endal   **HAIS Schedule** 9/20/95

HAIS R. E. A. Endal   **HAIS Response Date** 9/29/95

The development of HDF EOS was begun as a prototyping effort, under an ESDIS Engineering Support Directive. For this reason, this development has not previously been considered part of the main ECS development. With the prototyping nearing successful completion, and various other developments coming to depend on HDF EOS, it is important to proceed with implementation according to an established schedule. The following schedule has been developed based on discussions with the HDF EOS team and taking into account need dates for other dependent ECS developments:

Task Start Finish
1 Version 1 API for TRMM 10/01/95 12/20/95
2 Prototype API for all structures 12/21/95 02/28/96
3 Full operational version 03/01/96 06/21/96
4 HDF-EOS Configuration Records (HECR) Tools 11/15/95 12/15/96
5 API/parser integration 6/24/96 12/30/96
6 Integration into Rel. B DSS 10/30/96 03/15/97
7 Long-term maintenance 12/15/96

In this schedule, Tasks 1-3 will provide the HDF EOS development needed to meet the ECS Release A requirements, while Tasks 4-6 are targeted for Release B. This development plan will be incorporated in the September 1995 update of the Intermediate Logic

Networks (ILNs) for Release A and Release B.

During the initial HDF EOS prototyping, distribution was limited to a small group of potential users in order to obtain focused comments on the initial data structures. In September 1995, the distribution will be broadened to include all parties on the current SDP Toolkit distribution (i.e., the EOS instrument teams). In October 1995, the distribution will again be broadened to include the

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4-6 are targeted for Release B. This development plan will be incorporated in the September 1995 update of the Intermediate Logic Networks (ILNs) for Release A and Release B.

During the initial HDF EOS prototyping, distribution was limited to a small group of potential users in order to obtain focused comments on the initial data structures. In September 1995, the distribution will be broadened to include all parties on the current SDP Toolkit distribution (i.e., the EOS instrument teams). In October 1995, the distribution will again be broadened to include the EOS Interdisciplinary Science (IDS) investigators, with the goal of achieving a broad consensus on the HDF EOS formats and tools. Finally, by January 1996, we anticipate holding a workshop for commercial software developers/vendors in order to encourage them to provide software to read and utilize the HDF EOS formats and metadata in their COTS data visualization and analysis software packages. We view this as an important step toward broad acceptance and use of the HDF EOS conventions. Long-term user support will likely involve DAAC User Services, as well as ECS support. This topic is currently under discussion between ESDIS, the DAAC management, and ECS. Since we cannot commit the DAAC User Services, it will not be possible to lay out a plan for user support until these discussions have been completed.

| Status | Closed | Date Closed | 10/9/95 | Sponsor | Szczur |

****** **Attachment if any** ******